Some Examples of Performance of the MDSP Super-Resolution Software (SuperLab)

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Report Documentation Page

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Resolution enhancement of a face from a sequence captured by a surveillance camera
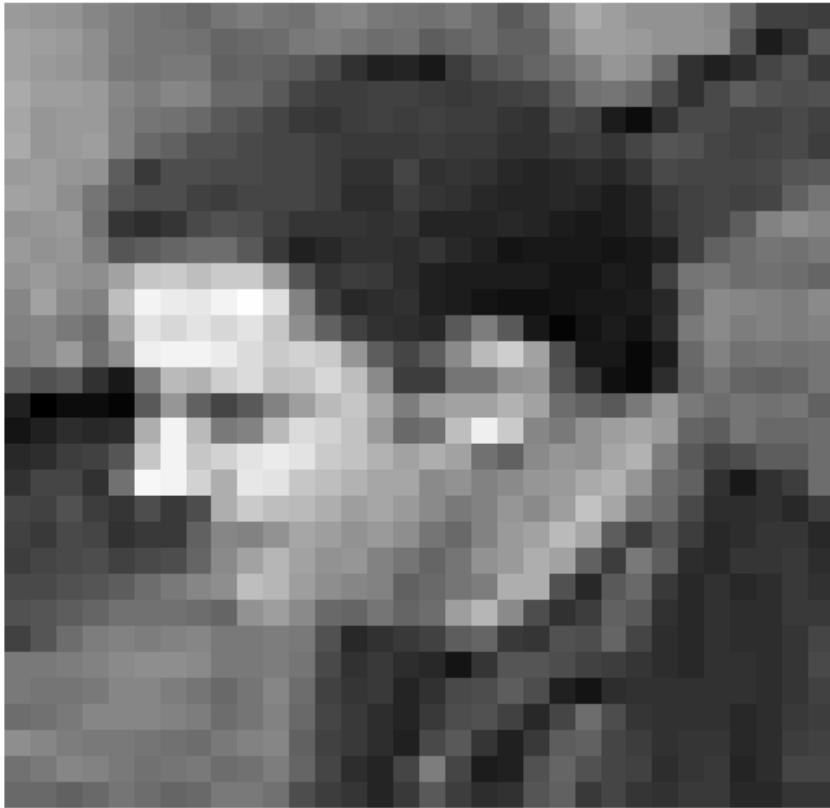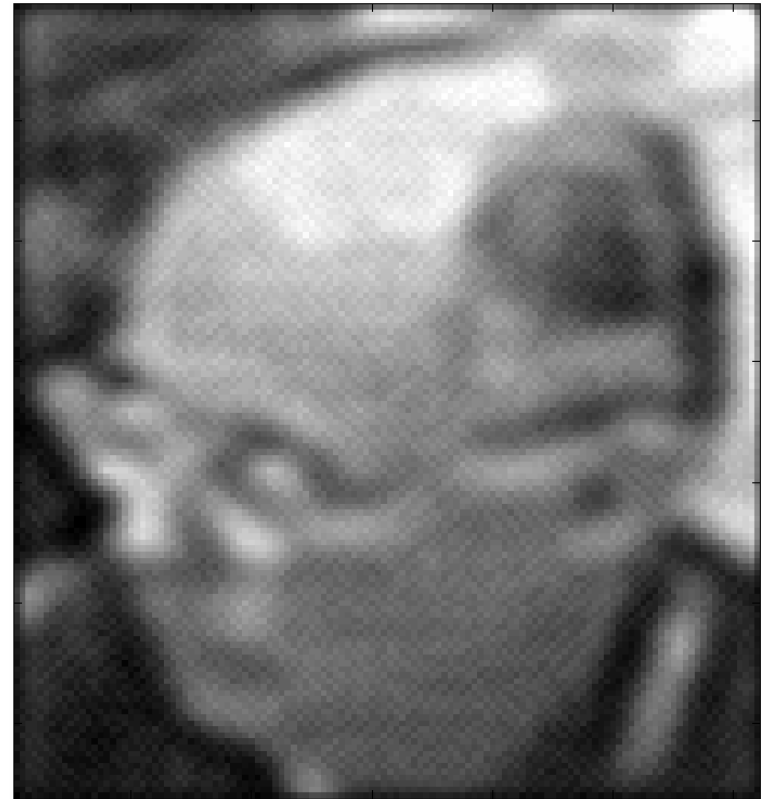

| One Low-resolution Frame | Output High-resolution Still Frame |

40 input frames, resolution enhancement factor of x4

Resolution enhancement of a face from a sequence captured by a surveillance camera

| One Low-Resolution Frame | Output High-resolution Still Frame |

30 input frames, resolution enhancement factor of x4

Resolution enhancement from multiple still frames acquired with an Olympus C-4000 digital camera

| One Low-Resolution Frame | Output High-resolution Still Frame |

20 Input frames, resolution enhancement factor of x4

Resolution enhancement from still frame infrared images

| One Low-Resolution Frame | Output High-resolution Still Frame |

8 input frames, resolution enhancement factor of x4

Resolution enhancement from video frames captured by a commercial webcam (3COM Model No.3719)

One Low-Resolution Frame

Output High-resolution Still Frame

53 input frames, resolution enhancement factor of x4

Resolution enhancement in color from a sequence captured by a commercial camera

One Low-Resolution Frame

Output High-resolution Still Frame

40 input frames, resolution enhancement factor of x4

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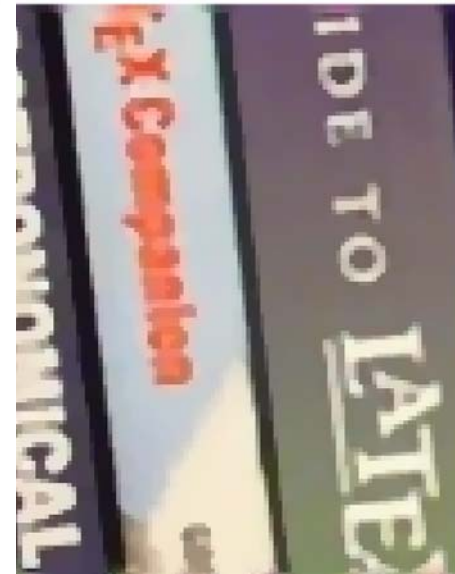# Resolution enhancement in color from a video sequence captured by a Pyro 1394 webcam
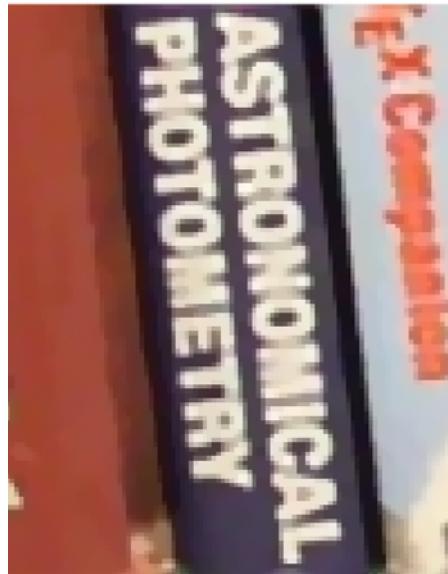

One Low-Resolution Frame

Output High-resolution Still Frame

30 input frames, resolution enhancement factor of x4

Video-to-Video resolution enhancement of a sequence of Bayer color-filtered images (simultaneous resolution enhancement and demosaicing)

Input Frame # 40

Output Frame # 40

Input Frame # 100

Output Frame # 100

325 input frames, 325 output frames, resolution enhancement factor of x4